Title (en)

DEVICES FOR MAPPING CARDIAC TISSUE

Title (de)

VORRICHTUNGEN ZUR ABBILDUNG VON HERZGEWEBE

Title (fr)

DISPOSITIFS DE CARTOGRAPHIE DE TISSU CARDIAQUE

Publication

EP 3576601 B1 20230419 (EN)

Application

EP 18747512 A 20180131

Priority

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Abstract (en)

[origin: WO2018144648A1] The present disclosure relates to systems and methods for generating three-dimensional tissue maps, and particularly fibrosis maps of cardiac tissue. An intravascular device includes an elongated member and a distal tip. An imaging assembly is integrated with the elongated member to enable imaging of the microstructure of tissue near the distal tip. One or more navigation electrodes are positioned at or near the distal tip. Electrical mapping and/or ablation assemblies may also be integrated with the device. Images may be characterized according to a level of fibrosis and, using the corresponding determined locations of the images, a three-dimensional map showing areas of differential fibrosis may be generated. Electrical mapping data may also be integrated with the fibrosis map to generate a composite fibrosis and voltage map.

IPC 8 full level

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